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ABSTRACT

Part of a large scale research project to test various theories with regard to their ability to analyze international relations, this computer printout presents data on the application of social field theory to patterns of conflict among nations. Social field theory implies that international relations is a field which consists of all the attributes and interactions of nations and their complex interrelationships, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. In this monograph, social field theory was applied to a single index over a three year period--the World Event Interaction Survey (WEIS) conflict data, which was created using the "New York Times" as a data source. Variables of particular interest included domestic violence, economic development, political stability, population density, duration of national independence, colonial experience, military power, power base, and health conditions. All of the independent variables treated are factors--that is, composite indexes generated out of a number of related variables using the technique of factor analysis. The method involved when applying social field theory to WEIS conflict data included assigning a negative or positive parameter weight on each predictive factor (such as economic development) which indicates the kind of behavioral exportation engaged in by that state relative to other states and comparing positive type nation exporters with negative type nation exporters. Comparison was performed through two modes of analysis--a discriminant function analysis on positive versus negative weight subjects for each independent variable and a correlation of factor scores. The computer printout of statistical analysis is included in the document. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

SOCIAL FIELD THEORY, RESULTS FOR CONFLICT, 1966-69, AN INVENTORY OF FINDINGS

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PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD-OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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NOTE: ALL MONOGRAPHS ON TAPE ARE SET UP TO PRINT ON A UNIVAC DOCUMENT PROCESSOR. SPECIAL PROGRAMS TO ASSIST IN PRINTING ON A DECWRITER II FOR UPPER AND LOWER CASE, DOUBLE SPACE, LENGTH ADJUSTED FOR THE DECWRITER AND WITH FOOTNOTE CAPABILITY, ARE CONTAINED IN MONOGRAPH 26. TABLES OR FIGURES THAT GO BEYOND 80 COLUMNS MAY BE FOLDED IF THE DOCUMENT PROCESSOR IS USED. IF THIS IS UNDESIRABLE, THEY CAN BE PRINTED BY OTHER STANDARD PRINT COMMANDS, SUCH AS AN EDITOR PROGRAM, WHICH CAN PRINT, WITHOUT FOLDING, TO 132 COLUMNS. ALSO, DOCUMENT COMMANDS ARE INVISIBLE IN THE COPY ONLY IF THE DOCUMENT PROCESSOR IS USED. IF OTHER PRINT COMMANDS ARE USED, THE DOCUMENT COMMANDS WILL BE VISIBLE, I.E., WILL APPEAR AS >DOUBLE>, >SPACE>, ETC. AND ARE LEFT JUSTIFIED. IF THEY ARE NOT NEEDED, THEY CAN BE IGNORED OR EDITED OUT. ALL MONOGRAPHS ARE IN MIXED UPPER AND LOWER CASE, EXCEPT MONOGRAPHS 19 AND 26, WHICH ARE IN UPPER CASE ONLY.

Attributes and National Behavior:

Modern International Relations Monograph Series

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SOCIAL FIELD THEORY, RESULTS FOR CONFLICT, 1966-69, AN INVENTORY OF FINDINGS

THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS. THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A DISCRIMINANT FUNCTION ANALYSIS ON THE POSITIVE VERSUS THE NEGATIVE WEIGHT SUBJECTS, FOR EACH OF THE INDEPENDENT VARIABLES USING THE FACTORS OF A-SPACE AS DISCRIMINATORS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE MAGNITUDE OF THE WEIGHTS.

A BRIEF STATEMENT ON DISCRIMINANT FUNCTION ANALYSIS (HADLEY, 1961) SEEMS TO BE IN ORDER. ITS PURPOSE HERE IS TO DETERMINE, WHEN CONSIDERING TWO DIFFERENT NATION GROUPS, SCORED ON COMMON VARIABLES, WHICH OF THE VARIABLES BEST DISCRIMINATES BETWEEN NATION GROUPS. THIS IS DONE BY GIVING EACH GROUP MEMBER A DISCRIMINANT FUNCTION SCORE, WHICH IS A FUNCTION OF THE ORIGINAL VARIABLES WEIGHTED SO THAT THE MEAN OF THE DISCRIMINANT FUNCTION SCORES, FOR EACH GROUP, IS MAXIMALLY DIFFERENT. CORRELATIONS OF THE ORIGINAL VARIABLES WITH THE DISCRIMINANT FUNCTION SCORES INDICATE WHICH VARIABLES ARE THE BEST DISCRIMINATORS. FOR EXAMPLE, IF ECONOMIC DEVELOPMENT CORRELATES .60 WITH THE DISCRIMINANT FUNCTION SCORES OF A PARTICULAR ANALYSIS, SAY + WEIGHTS VS. - WEIGHTS IN RESPECT TO POWER BASE, THOSE WITH POSITIVE WEIGHTS, ON POWER BASE, WOULD TEND TO BE DEVELOPED STATES AND THOSE WITH NEGATIVE WEIGHTS, UNDERDEVELOPED STATES.

A PRODUCT OF DISCRIMINANT FUNCTION ANALYSIS IS AN F-TEST OF THE MEANS OF THE TWO GROUPS CONSIDERED ON THE VARIABLES. IN THE ABOVE EXAMPLE, IF THE MEAN OF THE + POWER STATES IS COMPARED WITH THE

MEAN OF THE - POWER STATES, IN RESPECT TO ECONOMIC DEVELOPMENT, THE MEAN OF THE FORMER STATES MIGHT BE .35, INDICATING THAT THE + POWER GROUP IS ABOVE THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT, WHILE THE - POWER STATES MIGHT HAVE A SCORE OF -.12, INDICATING THAT THE - POWER STATES ARE BELOW THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT. IF THE DIFFERENCE IS SIGNIFICANT, WE MAY CONCLUDE THAT THE + POWER STATES TEND TO BE DEVELOPED WHILE THE - POWER STATES TEND TO BE UNDERDEVELOPED.

EACH OF THE FINDINGS, WHICH FOLLOWS, IS BASED ON A SIGNIFICANCE LEVEL OF .05 OR LESS, AND COMPARES THE ATTRIBUTE CHARACTERISTICS OF THOSE WITH - VERSUS + WEIGHTS AS DETERMINED BY THE DISCRIMINANT FUNCTION ANALYSES.

THE FOLLOWING LISTS: LIST 1 = DISCRIMINANT RESULTS, POSITIVE WEIGHTS, LIST 2 = DISCRIMINANT RESULTS, NEGATIVE WEIGHTS, LIST 3 = CORRELATION RESULTS, POSITIVE WEIGHTS, LIST 4 = CORRELATION RESULTS, NEGATIVE WEIGHTS, ---- SHOW THE RELATIONSHIP OF THE NATIONAL ATTRIBUTES TO THE EXPORTATION PATTERNS.

EACH FINDING CAN BE VIEWED AS HAVING POTENTIAL POLICY IMPLICATIONS. FOR EXAMPLE, IF LOW ECONOMIC DEVELOPMENT IS ASSOCIATED WITH - WEIGHTS AND HIGH ECONOMIC DEVELOPMENT WITH + WEIGHTS, THEN, IT IS POSSIBLE THAT IF A STATE SHIFTS FROM LOW DEVELOPMENT TO HIGH DEVELOPMENT THAT ITS EXPORT WEIGHT PATTERN MAY SHIFT FROM - TO +. OBVIOUSLY SUCH AN INTERPRETATION IS SPECULATIVE SINCE >CAUSE> IS NOT CLEARLY ESTABLISHED BY THIS KIND OF ANAYLYSIS. NEVERTHELESS, THE FOLLOWING RESULTS STRONGLY SUGGEST THAT NATION ATTRIBUTES ARE LINKED (AT LEAST PREDICTIVELY) TO

EXPORT PATTERNS AND MAY BE LINKED CAUSALLY.

THE INVENTORY

LIST 1

AN INVENTORY OF FINDINGS FOR SOCIAL FIELD THEORY, CONFLICT, A-SPACE FACTOR MEANS FOR POSITIVE WEIGHT NATIONS.

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.5788 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.2286 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.3244 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .3023 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.8065 (MEAN GROUP SCORE IN A-SPACE)

LITTLE POLITICAL INSTABILITY -.8380 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.8746 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.8153 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.3869 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.0994 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE -.7508 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .3843 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.3747 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.2195 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .3873 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA INTERNAL SECURITY FORCE .3577 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY -.3984 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.2698 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.1894 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .1824 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .1230 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2111 (MEAN GROUP SCORE IN A-SPACE)

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I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2371 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .0289 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

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LARGE CHRISTIAN COMMUNITY -.0945 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .0818 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION -.0875 (MEAN GROUP SCORE IN A-SPACE)

OLD CURRENCY -.1336 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.3057 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .3265 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW MILITARY PERSONNEL PER CAPITA .1637 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .0781 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1195 (MEAN GROUP SCORE IN A-SPACE)

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION -.0457 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.3315 (MEAN GROUP SCORE IN A-SPACE)

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE -.3688 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY .2409 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.1979 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.0650 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.1490 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.1893 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1670 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .1070 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .1205 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.1881 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.1576 (MEAN GROUP SCORE IN

A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3942 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.2275 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2133 (MEAN GROUP SCORE IN A-SPACE)

LARGE CHRISTIAN COMMUNITY -.0954 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .0563 (MEAN GROUP SCORE IN A-SPACE)

LIST 2

AN INVENTORY OF FINDINGS FOR SOCIAL FIELD THEORY, CONFLICT, A-SPACE FACTOR MEANS FOR NEGATIVE WEIGHT NATIONS.

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .2125 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .2101 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .1439 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.1279 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .1752 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .0539 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .0682 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .0075 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1487 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3220 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .3504 (MEAN GROUP SCORE IN A-SPACE)

LARGE CHRISTIAN COMMUNITY -.1455 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .0637 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2271 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.0973 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.0764 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY .3368 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .1258 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2800 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.3275 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.4004 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.2972 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .6120 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.7796 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.5902 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3551 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .3446 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.3525 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .5795 (MEAN GROUP SCORE IN A-SPACE)

NEW CURRENCY .4944 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2789 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.1011 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY MILITARY PERSONNEL PER CAPITA -.4794 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.4273 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.3210 (MEAN GROUP SCORE IN A-SPACE)

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .4004 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .2261 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .0794 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY -.1771 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .2604 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .4703 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .3888 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .3069 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.4030 (MEAN GROUP SCORE IN A-SPACE)

LITTLE POLITICAL INSTABILITY -.4126 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.3191 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .5342 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .2773 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.1378 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .1995 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.5382 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .6656 (MEAN GROUP SCORE IN A-SPACE)

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE -.5507 (MEAN GROUP SCORE IN A-SPACE)

LIST 3

AN INVENTORY OF FINDINGS FOR SOCIAL FIELD THEORY, CONFLICT, A-SPACE FACTOR CORRELATIONS WITH POSITIVE WEIGHTS.

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE N= 26 P= .0046 R= .5400

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM N= 7 P= .0079 R= .8900

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE DOMESTIC VIOLENCE N= 27 P= .0420 R= .3900

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 75 P= .0143 R= .2800

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM N= 32 P= .0008 R= .5800

SMALL GNP GROWTH RATE AT FIXED PRICES N= 32 P= .0009 R=

.5700

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 27 P= .0150 R= .4600

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 48 P= .0301 R= .3100

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 42 P= .0047 R= .4300

SMALL GNP GROWTH RATE AT FIXED PRICES N= 42 P= .0013 R= .4900

OLD CURRENCY N= 42 P= .0057 R= .4200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY N= 94 P= .0064 R= .2800

MANY MILITARY PERSONNEL PER CAPITA N= 94 P= .0020 R= .3200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 89 P= .0005 R= .3800

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 98 P= .0455 R= .2000

MANY MILITARY PERSONNEL PER CAPITA N= 98 P= .0030 R= .3000

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 81 P= .0290 R= .2400

SMALL POWER BASE N= 81 P= .0457 R= .2200

NEW CURRENCY N= 81 P= .0180 R= .2600

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE N= 87 P= .0302 R= .2300

RECENT NATIONAL INDEPENDENCE N= 87 P= .0237 R= .2400

SMALL GNP GROWTH RATE AT FIXED PRICES N= 87 P= .0038 R= .3100

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 32 P= .0159 R= .4200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 87 P= .0111 R= .2700

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 20 P= .0392 R= .4600

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 20 P= .0442 R= .4500

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 47 P= .0124 R= .3600

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY N= 73 P= .0384 R= .2400

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT N= 84 P= .0417 R= .2200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 80 P= .0002 R= .4400

LOW CRUDE DEATH RATE N= 80 P= .0471 R= .2200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 37 P= .0113 R= .4100

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S BELOW FROM THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 95 P= .0490 R= .2000

MUCH DOMESTIC VIOLENCE N= 95 P= .0490 R= .2000

LARGE GNP GROWTH RATE AT FIXED PRICES N= 95 P= .0181 R= .2400

LIST 4

AN INVENTORY OF FINDINGS FOR SOCIAL FIELD THEORY, CONFLICT, A-SPACE FACTOR CORRELATIONS WITH NEGATIVE WEIGHTS.

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 105 P= .0003 R= .3700

SMALL POPULATION GROWTH RATE N= 105 P= .0009 R= .3300

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 36 P= .0467 R= .3300

FEW MILITARY PERSONNEL PER CAPITA N= 36 P= .0401 R= .3400

HIGH PER CAPITA SCHOOL ENROLLMENT N= 36 P= .0401 R= .3400

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE N= 77 P= .0416 R= .2300

LARGE CHRISTIAN COMMUNITY N= 77 P= .0266 R= .2500

RECENT NATIONAL INDEPENDENCE N= 77 P= .0131 R= .2800

MANY ELECTIONS N= 77 P= .0266 R= .2500

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 60 P= .0232 R= .2900

LARGE POPULATION GROWTH RATE N= 60 P= .0019 R= .4000

SMALL CHRISTIAN COMMUNITY N= 60 P= .0002 R= .4900

FEW ELECTIONS N= 60 P= .0062 R= .3500

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE N= 65 P= .0035 R= .3600

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM N= 17 P= .0078 R= .6200

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY N= 20 P= .0235 R= .5000

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 13 P= .0361 R= .5800

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE N= 30 P= .0197 R= .4200

LOW ENERGY PRODUCTION N= 30 P= .0086 R= .4700

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 23 P= .0224 R= .4700

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 78 P= .0500 R= .2200

LARGE POPULATION GROWTH RATE N= 78 P= .0403 R= .2300

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 78 P= .0076 R= .3000

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 91 P= .0072 R= .2800

HIGH PER CAPITA SCHOOL ENROLLMENT N= 91 P= .0123 R=

.2600

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 31 P= .0383 R= .3700

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 74 P= .0149 R= .2800

LOW CRUDE DEATH RATE N= 74 P= .0043 R= .3300

I'S MOST LIKELY TO EXPORT HIGH CONFLICT TO J'S ABOVE FROM THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY N= 15 P= .0321 R= .5500

FEW ELECTIONS N= 15 P= .0132 R= .6200

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